

# NEBRASKA WEATHER & CROPS



Issued by the  
NEBRASKA  
AGRICULTURAL  
STATISTICS  
SERVICE

For Week Ending August 1, 1999

Issue: 21-99

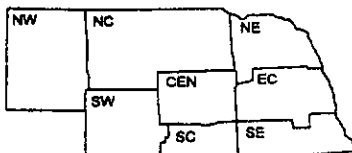
Released: 8/02/99 - 3:00 p.m.

P O Box 81069  
Lincoln, NE 68501

Phone: (402) 437-5541  
Location: 298 Federal Bldg

Internet <http://www.agr.state.ne.us/agstats/index.htm>  
e-mail [nass-ne@nass.usda.gov](mailto:nass-ne@nass.usda.gov)

National Agricultural Statistics Service  
U.S. Department of Agriculture  
and U.S. Department of Commerce  
National Oceanic and Atmospheric Admin  
National Weather Service



Nebraska Department of Agriculture  
Division of Agr'l Statistics  
Cooperative Extension Service  
Institute of Agriculture  
and Natural Resources--UN-L

## WEATHER

Temperatures for the week averaged from around three degrees above normals in the Panhandle to around six degrees above normals over the remainder of the State. Precipitation across the state averaged from three hundredths of an inch in the North Central and Southwest to one and twelve hundredths inches in the Southeast

## GENERAL

Hot and humid weather conditions stressed crops and livestock and pushed irrigation demands during the week, according to the Nebraska Agricultural Statistics Service. Livestock deaths were reported throughout the State. Even though the heat and humidity caused stress on people and livestock, it has worked in favor of wheat harvest. Irrigation was going full scale on corn and soybeans. Eco fallow corn and sorghum were holding on because of the abundant subsoil moisture. Producers' activities included: irrigating, haying, moving grain to market, caring for heat stressed livestock, tilling summer fallow, mowing and shredding roadsides, and soil preparation for fall seeded wheat

## CROPS

Corn conditions rated 1% very poor, 6% poor, 24% fair, 49% good, and 20% excellent. Dryland corn rated 65% and irrigated corn rated 71% in good and excellent conditions. Corn silk rated 93%, same as last year, but above 80% average. Corn dough rated 12%, just below last year's 13% and average. The effect of heat on pollination of corn had not been determined, but yields were expected to be affected.

## CROPS (Cont.)

Soybean blooming was 84%, behind last year's 89%, but ahead of 82% average. Soybean setting pods rated 30%, below last year's 39% and 34% average. Soybean conditions decreased and rated 1% very poor, 7% poor, 27% fair, 53% good, and 12% excellent.

Sorghum headed rated 28%, below last year's 42% and 32% average. Sorghum conditions also declined and rated 4% poor, 30% fair, 58% good, and 8% excellent.

Dry Bean blooming was at 73%, above last year's 63%, and 72% average. Dry bean conditions decreased and rated 4% poor, 27% fair, 63% good, and 6% excellent.

Winter Wheat harvest rated 97%, slightly above last year's 95% and 93% average. Harvest was near completion in all but the Panhandle.

Oats harvested rated 86%, same as last year, but just above 83% average.

Alfalfa conditions rated 2% very poor, 3% poor, 23% fair, 61% good, and 11% excellent. Alfalfa second cutting rated 96%, above last year's 92% and 89% average. Alfalfa third cutting rated 5%, above last year's 3%, but just below 6% average. Leaf hoppers still remained a problem in some alfalfa fields. Wild Hay conditions rated at 3% poor, 18% fair, 58% good, and 21% excellent.

## LIVESTOCK, PASTURE & RANGE

Pasture and range conditions rated 2% very poor, 7% poor, 29% fair, 50% good, and 12% excellent. Because of above normal temperatures, feedlot gains have been limited. Some feeders were using sprinklers and in some cases using fire hoses from fire trucks to keep livestock cool. Pastures are in need of moisture.

CROP PROGRESS AS OF AUGUST 1, 1999	AGRICULTURAL STATISTICS DISTRICTS								STATE	LAST WEEK	LAST YEAR	AVER- AGE
	NW	NC	NE	C	EC	SW	SC	SE				
% Wheat Harvested	93	99	100	97	100	99	100	100	97	93	95	93
% Soybeans Blooming	n/a	88	83	73	79	85	84	93	84	73	89	82
% Soybeans Setting Pods	n/a	38	21	25	26	29	55	36	30	15	39	34
% Corn Dough	1	1	7	9	11	7	27	20	12	4	13	13
% Corn Silked	71	83	94	98	94	87	99	94	93	77	93	80
% Sorghum Headed	n/a	14	10	9	30	57	14	29	28	12	42	32
% Dry Beans Blooming	78	45	100	73	16	68	n/a	n/a	73	63	63	72
% Alfalfa Second Cutting	87	97	98	97	97	96	100	100	96	88	92	89
% Alfalfa Third Cutting	0	1	4	1	4	10	25	20	5	n/a	3	6
% Oats Harvested	61	85	87	82	86	100	100	100	86	63	86	83
DAYS SUITABLE AND SOIL MOISTURE CONDITION AS OF JULY 30, 1999												
Days suitable	6.5	7.0	6.9	6.6	6.9	7.0	7.0	6.8	6.8	5.4	4.8	
Topsoil moisture - Very Short	0	0	11	27	8	10	21	32	12	2	1	
(Percent) - Short	20	43	31	44	60	52	60	46	44	33	20	
- Adequate	78	56	58	29	32	36	19	22	43	61	75	
- Surplus	2	1	0	0	0	2	0	0	1	4	4	
Subsoil moisture - Very Short	0	0	5	3	2	10	13	30	8	1	2	
(Percent) - Short	18	23	13	39	39	31	58	37	30	18	16	
- Adequate	82	77	81	57	56	59	29	33	62	81	79	
- Surplus	0	0	1	1	2	0	0	0	0	0	3	

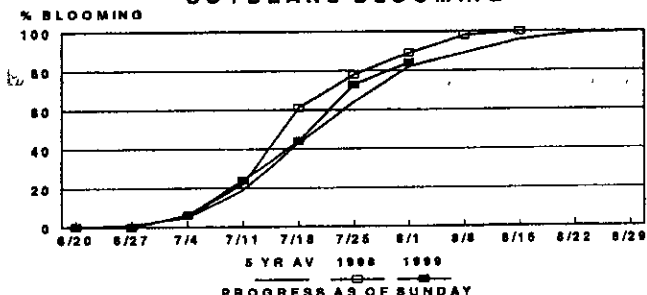
n/a = not available

Periodical Postage  
Paid at  
Lincoln, Nebraska

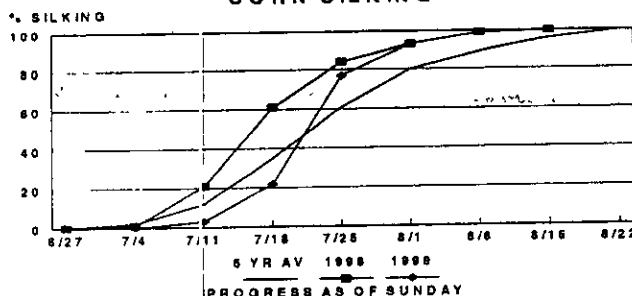
NEBRASKA WEATHER & CROPS  
P O Box 81069  
Lincoln, NE 68501

NEBRASKA WEATHER & CROPS (ISSN 0745-0117) is published weekly April-November and monthly December-March by the Nebraska Department of Agriculture, Nebraska Agricultural Statistics Service (NASS), 100 Centennial Mall North, Room 298 Federal Building, Lincoln, NE 68508. Subscription is free to survey respondents upon request to NASS, P O Box 81069, Lincoln, NE 68501, or by calling (402) 437-5541 and available for \$15.00 per year to non-reporters. It is also available free by polling our FAX at (402) 437-5547 after 3:30 p.m. CT. POSTMASTER: Send address changes to NEBRASKA WEATHER & CROPS, P O Box 81069, Lincoln, NE 68501.

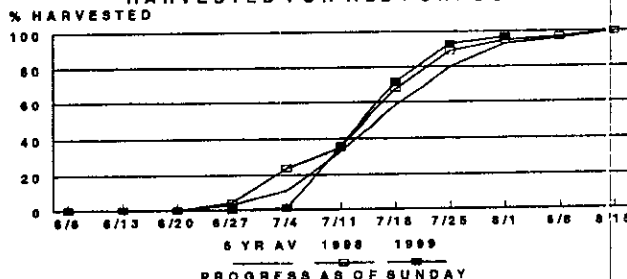
# SOYBEANS BLOOMING



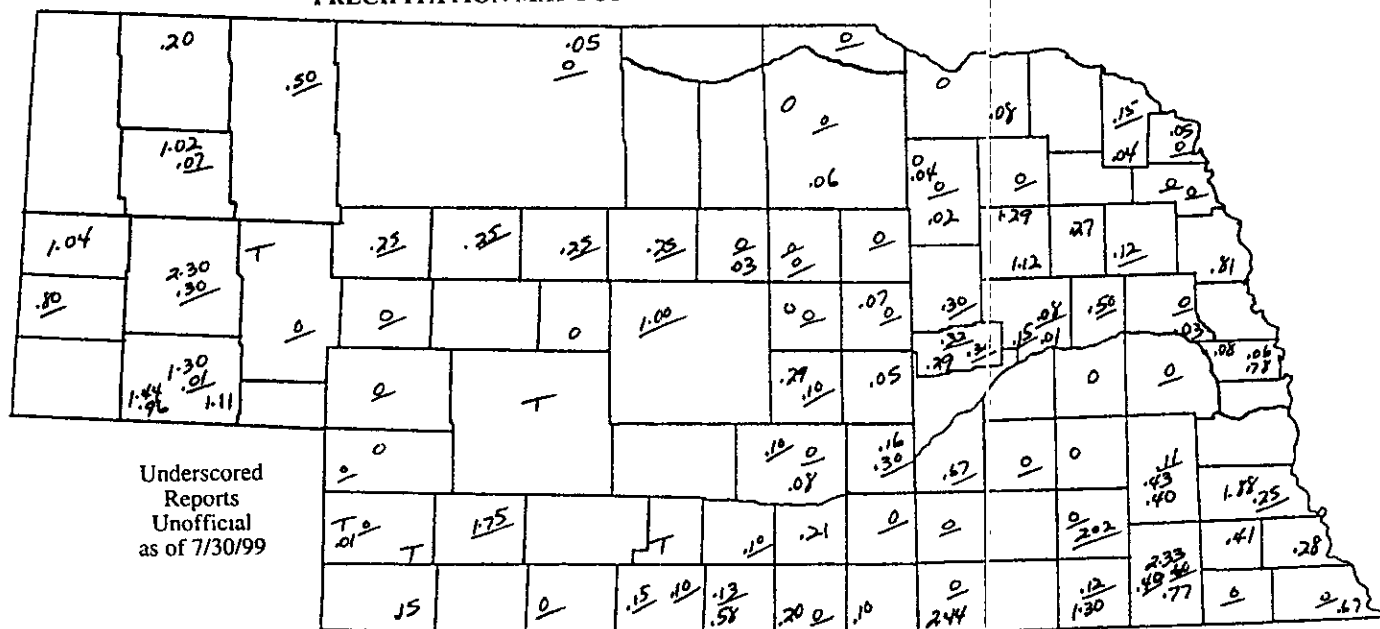
# CORN SILKING



# WINTER WHEAT HARVESTED FOR ALL PURPOSES



# PRECIPITATION MAP FOR WEEK ENDING SATURDAY, JULY 31, 1999



# PRECIPITATION, APRIL 1 - JULY 31, 1999

	NW	NC	NE	CEN	EC	SW	SC	SE
Total past week	1.04	.03	.34	.11	.21	.03	.22	1.12
Total since April 1	12.95	15.05	19.23	17.65	19.65	11.47	16.62	18.31
Normal since April 1	10.25	12.22	13.60	13.36	14.46	11.59	13.16	14.63
Total as % of normal	126%	123%	141%	132%	136%	99%	126%	125%

# TEMPERATURE, PRECIPITATION, AND GROWING DEGREE DAY DATA, WEEK ENDING SATURDAY, JULY 31, 1999

WEEK ENDING SATURDAY, JULY 31, 1999									
Station		Temperature				Precipitation	Growing Degree Data Since April 15		
		Extremes		Mean	Departure	Total Inches	Last Week	Current	Normal
		Max	Min						
NW	Chadron	104	57	79	---	20	---	---	---
	Scottsbluff	97	57	77	+2	1.04	162	1549	1561
	Sidney	97	60	78	---	.96	166	1464	1600
NC	Valentine	99	59	77	+2	.05	---	---	---
	Arthur	---	---	---	---	---	175	1536	1682
	O'Neill	---	---	---	---	---	189	1635	1800
NE	Norfolk	97	65	81	+5	1.29	---	---	---
	Sioux City	96	64	81	+5	.05	---	---	---
	Concord	---	---	---	---	---	191	1727	1844
	Elgin	---	---	---	---	---	195	1657	1844
	West Point	---	---	---	---	---	194	1762	1948
CEN	Grand Island	103	66	83	+6	.16	198	1793	1866
	Ord	99	64	82	---	0	194	1710	1852
	Kearney	---	---	---	---	---	200	1766	1846
EC	Lincoln	104	70	85	+7	.43	215	1939	2044
	Omaha	97	69	83	+7	.06	---	---	---
	Central City	---	---	---	---	---	194	1780	1896
	Mead	---	---	---	---	---	201	1861	2015
SW	Imperial	101	63	82	---	T	---	---	---
	North Platte	101	62	79	+4	T	182	1677	1741
	Curtis	---	---	---	---	---	188	1716	1770
SC	Holdrege	---	---	---	---	---	194	1780	1832
	Red Cloud	---	---	---	---	---	209	2021	1888
SE	Beatrice	---	---	---	---	---	201	1858	2054
	Clay Center	---	---	---	---	---	193	1759	1884

Growing Degree Days (GDD) are used to measure the length of time required for a crop to reach maturity. The formula used to calculate GDD is: Max. temp. + min. temp. divided by 2 minus 50 = GDD. For example, if the average temperature for a day = 70 degrees, the GDD = 20 for that day. GDD are calculated for each day and accumulated from April 15.

Growing Degree Day data is furnished by the Department of Agricultural Meteorology, Institute of Agriculture and Natural Resources, The University of Nebraska-Lincoln.